

## ABSTRACT

An annular plug portion (21) projects from a clamp  
pallet (2). An annular shuttle member (23) is supported by the  
5 plug portion (21) to be movable in the vertical direction. A  
work pallet (3) is provided with a tapered inner peripheral  
surface (12) which makes an engagement with a tapered outer  
peripheral surface (28) of the shuttle member (23). A  
transmission member (29) is inserted into an upper portion of  
10 a cylindrical hole (21a) of the plug portion (21), while a rod  
(31) is inserted into a lower portion of the cylindrical hole  
(21a). When the rod (31) is driven downward for clamping, an  
output portion (36) of the rod (31) moves the work pallet (3)  
downward through engaging balls (34) to form a transmission  
15 gap (G) between a pushing portion (31a) of the upper end of  
the rod (31) and a pressure receiving portion (29b) of the  
transmission member (29). When the rod (31) is driven upwards  
for unclamping, the pushing portion (31a) pushes upwards the  
work pallet (3) through the transmission member (29).

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